

Phaco Practice Eye

Instruction for Use

Place the tray/holder under the microscope.
Put the Phaco practice Eye in eye position and lock it by clockwise rotation holding the white portion or fix the eye on a suitable flat surface with the help of a drop of superglue (cyanoacrylate glue).
Make a clear corneal 3.2 mm keratome incision at 12 O'clock position.
Fill the anterior chamber with 2% methylcellulose solution by keeping the tip of canula at 6 O'clock position, making sure that all the air bubbles are expelled. Put some viscoelastic over the cornea as well to improve clarity.
Make a 1 mm side port incision at 2 O'clock position.
Make a continuous curvilinear capsulohexis using a rhexis forceps only.
For sculpting set the following parameters on the Phaco machine as given below or as recommended by the company

Outflow Rate - 15 cc/min

Vacuum - 10 mm Hg

Phaco power - 70%

Gradually sculpt a groove in the nucleus. The depth of the groove can be judged by the increasing brightness of red reflex.

For completing the groove at 12 O'clock side, rotate the nucleus bimanually using a spatula through the side port.

For four quadrant grooving make a groove at right angles to the first one by 1/4 rotation of the nucleus.

The nucleus can be cracked bimanually into two or four pieces.

The two or four pieces of the nucleus can be chopped into smaller pieces by using a chopper at following setting of Phaco machine.

Outflow rate - 30 cc.

Vacuum - 150 mm Hg

Phaco power - 70% pulse mode

After complete cleaning of lens matter the practice eye can be used for practicing foldable or rigid IOL insertion.

Retrieve the IOL by cutting open the cornea with a corneal scissors and discard the eye.



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